

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/553,104  
Source: PU/10  
Date Processed by STIC: 10/25/05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 10/25/2005

PATENT APPLICATION: US/10/553,104

TIME: 10:22:58

Input Set : A:\VOSSI32.001APC.TXT

Output Set: N:\CRF4\10252005\J553104.raw

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4 <110> APPLICANT: Soldatov, Aleksey
5     Borodina, Tatiana
6     Lehrach, Hans
8 <120> TITLE OF INVENTION: LIGATION-BASED SYNTHESIS OF
9     OLIGONUCLEOTIDES WITH BLOCK STRUCTURE
12 <130> FILE REFERENCE: VOSSI32.001APC
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/553,104
C--> 14 <141> CURRENT FILING DATE: 2005-10-13
14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/003921
15 <151> PRIOR FILING DATE: 2004-04-14
17 <150> PRIOR APPLICATION NUMBER: EP 03008653.2
18 <151> PRIOR FILING DATE: 2003-04-15
20 <160> NUMBER OF SEQ ID NOS: 13
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 44
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
32 <400> SEQUENCE: 1
33 ggaggttgcg aggcgtattc attgctcaga attcacgact cacg          44
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 18
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
43 <400> SEQUENCE: 2
44 cctcgcaacc tccggctc          18
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 20
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
54 <400> SEQUENCE: 3
55 cccgtcgtga gtcgtgaatt          20
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 29
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:

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63 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
65 <400> SEQUENCE: 4
66 ttgtaaaacg tcgggagaaa cagagagcc 29
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 23
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
76 <400> SEQUENCE: 5
77 acgggacatt taagaccaa ctg 23
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 52
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
87 <400> SEQUENCE: 6
88 ctctctgttt ctcccgacgt ttacaacag tttggtctta atgttcgcc gc 52
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 50
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
98 <400> SEQUENCE: 7
99 tctctgtttc tcccgacgtt ttacaatagt ttggtcttaa atgttcgccg 50
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 25
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
109 <400> SEQUENCE: 8
110 tatgaagcat atgccgagaa agatg 25
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 28
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
120 <400> SEQUENCE: 9
121 tatgtttgat tgtgaatgtg tcatcaac 28
123 <210> SEQ ID NO: 10
124 <211> LENGTH: 30
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence

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131 <400> SEQUENCE: 10
132 ttttgtttaa ctttaagaag gagatataca 30
134 <210> SEQ ID NO: 11
135 <211> LENGTH: 28
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
142 <400> SEQUENCE: 11
143 gatcctcagt ggtggtggtg gtggtgca 28
145 <210> SEQ ID NO: 12
146 <211> LENGTH: 21
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
153 <400> SEQUENCE: 12
154 catatgtata tctccttctt a 21
156 <210> SEQ ID NO: 13
157 <211> LENGTH: 14
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
164 <400> SEQUENCE: 13
165 catatgcacc acca 14

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VERIFICATION SUMMARY

DATE: 10/25/2005

PATENT APPLICATION: US/10/553,104

TIME: 10:22:59

Input Set : A:\VOSSI32.001APC.TXT

Output Set: N:\CRF4\10252005\J553104.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date